Listing of Claim Amendments

1. (Original) An acetabular component and an insertion and extraction tool for use with the acetabular component, comprising

an acetabular component comprising a partial spherical body having

a peripheral surface circumscribing a cavity,

a plurality of recesses along an outer surface of said body each having an entry portion along said peripheral surface leading into an engagement portion angled from said entry portion,

each of said engagement portions having a first end aligned with said entry portion and a second end extending beyond said entry portion to define a shoulder between said second end and said peripheral surface; and

an insertion and extraction tool comprising an outer sleeve having a distal end carrying

a locking member including a plurality of radially extending arms and a locking finger extending distally from each of said arms,

an inner shaft, slidably disposed in said outer sleeve and having a distal end carrying an engagement plate disposed distally of said distal end of said outer sleeve and having a plurality of engagement protrusions, each of said engagement protrusions including a leg extending distally from said engagement plate to a foot angled from said leg,

said engagement plate having a plurality of channels therein slidably receiving said arms, respectively, and

a spring biasing said outer sleeve and said shaft longitudinally to a locked position for said tool in which said locking member is in an extended position relative to said engagement plate wherein said locking fingers protrude distally beyond said engagement plate alongside said legs of said engagement protrusions,

said tool being movable to an unlocked position in response to an actuating force applied to said tool to effect relative longitudinal movement of said outer sleeve and said shaft to move said locking member to a retracted position relative to said engagement plate wherein said locking fingers are retracted within said channels,

said feet being insertable through said entry portions into said first ends of said engagement portions of said recesses with said tool in said unlocked position and

being movable into said second ends of said engagement portions in response to rotation of said engagement plate about its central longitudinal axis,

said shoulders preventing withdrawal of said engagement protrusions from said recesses in a longitudinal direction and

said recesses presenting portions unoccupied by said engagement protrusions when said feet are moved into said second ends of said engagement portions,

said tool being returned automatically to said locked position by said spring in response to removal of the actuating force to cause said locking fingers to enter said unoccupied portions and prevent rotation of said engagement plate about its central longitudinal axis whereby said acetabular component is locked to said tool.

2. (Currently amended) An acetabular component and an insertion and extraction tool as recited in **claim 1** and further comprising an alignment member disposed on said engagement plate for insertion in said cavity of said acetabular[,] component to facilitate alignment of said feet with said entry portions of said recesses.

3. (Original) A method of locking an acetabular component to an insertion and extraction tool, comprising the steps of

providing an insertion and extraction tool in a locked position wherein locking protrusions of the tool are extended to be disposed alongside engagement protrusions of the tool;

applying an actuating force to a proximal end of the tool to move the tool to an unlocked position wherein the locking protrusions are retracted away from the engagement protrusions;

moving the tool in a longitudinal direction toward an acetabular component to insert the engagement protrusions into recesses of the acetabular component;

rotating the tool about its central longitudinal axis to present a portion of each recess unoccupied by the corresponding engagement protrusion; and

releasing the actuating force from the tool to automatically return the tool to the locked position such that the locking protrusions enter the unoccupied portions of the recesses and lock the acetabular component to the tool.

4. (Currently amended) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool, the locking structure having at least one foot and an adjacent locking finger, comprising a thin-walled, partial spherical body having a peripheral end

surface, an inner surface circumscribed by said peripheral end surface and defining an articular surface for a femoral head, an outer surface, and a plurality of angled recesses along said outer surface, said recesses having entry portions along said peripheral end surface for the locking structure of the insertion and extraction tool, said entry portion leading into an engagement portion angled from said entry portion, each said recess having an open outer periphery extending from said entry portion to said engagement portion.

5. (Original) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool as recited in **claim 4** wherein said body has a thickness of about 3-6 mm.

6. (New) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool as recited in **claim 4**, wherein each said recess is sized such that when said foot is in said recess, an outer edge of said foot substantially matches said outer surface along said open outer periphery of said recess.

7. (New) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool as recited in **claim 4**, wherein said outer surface of said acetabular component is configured for attachment to acetabular bone.

8. (New) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool as recited in **claim 7**, wherein said outer surface comprises a porous or rough coating configured to promote bone in-growth or on-growth.

9. (New) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool as recited in **claim 4**, wherein said acetabular component has three said recesses.

10. (New) An acetabular component and an insertion and extraction tool as recited in **claim 1**, further comprising at least one of said locking fingers having a tapered edge portion, said tapered edge portion serving to securely wedge said locking finger between said foot and a wall of said recess.

11. (New) An acetabular component and an insertion and extraction tool as recited in **claim 10**, wherein an opposing edge of said at least one locking finger is a straight edge.

12. (New) An acetabular component and an insertion and extraction tool as recited in **claim 11**, wherein said straight edge of said at least one locking finger slidingly abuts a straight edge of an adjacent foot member.

13. (New) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool as recited in **claim 4**, wherein said acetabular component has three said recesses.

14. (New) An acetabular component and an insertion and extraction tool as recited in **claim 12** and further comprising an alignment member disposed on said engagement plate for insertion in said cavity of said acetabular component to facilitate alignment of said feet with said entry portions of said recesses.

15. (New) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool as recited in **claim 4**, wherein said acetabular component has three said recesses.

16. (New) An acetabular component and an insertion and extraction tool as recited in **claim 1**, wherein said outer surface of said acetabular component is configured for attachment to acetabular bone.

17. (New) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool as recited in **claim 16**, wherein said outer surface comprises a porous or rough coating configured to promote bone in-growth or on-growth.

18. (New) An acetabular component and an insertion and extraction tool as recited in **claim 10**, wherein said outer surface of said acetabular component is configured for attachment to acetabular bone.

19. (New) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool as recited in **claim 18**, wherein said outer surface comprises a porous or rough coating configured to promote bone in-growth or on-growth.

20. (New) An acetabular component and an insertion and extraction tool as recited in **claim 12**, wherein said outer surface of said acetabular component is configured for attachment to acetabular bone.

21. (New) An acetabular component for releasable engagement with locking structure of an insertion and extraction tool as recited in **claim 13**, wherein said acetabular component has three said recesses.